

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions, and listings, of claims in this application.

Claim 1 (currently amended): A process for producing a ubiquinone-10-containing solution, which comprises the following steps:

- [1] adding a methanol solution to a culture obtained by culturing a microorganism having an ability to produce ubiquinone-10 in a medium, or a processed product of the culture, or culture and a partially purified product of ubiquinone-10, ubiquinone-10 selected from the group consisting of ubiquinone-10-containing dried products, freeze dried products and crystallized products, to a final concentration of 50 to 100 v/v% and then retaining the resulting mixture at a temperature ~~of 0°C or above and 30°C or below;~~selected from the range of 0°C to 30°C;
- [2] separating and recovering an insoluble matter from the ~~solution~~resulting mixture obtained at the step [1];
- [3] adding a methanol solution of a concentration of 85 to 100 v/v% to the insoluble matter obtained in the step [2] and retaining the resulting mixture at a temperature ~~of more than 30°C and 80°C or below; and~~selected from the range of 30°C to 80°C, not including 30°C;
- [4] removing an insoluble matter from the ~~solution~~resulting mixture obtained in the step ~~[3];~~[3]; and
- [5] recovering the ubiquinone-10-containing solution.

Claim 2 (currently amended): The process according to claim 1, ~~wherein~~wherein, following step [2] and before the subsequent step [3], the steps of adding a methanol solution ~~again~~ to ~~therecovered~~ insoluble matter ~~obtained in the step [2]~~ to a final concentration of 50 to 100 v/v%, retaining a resulting mixture at a temperature ~~of 0°C or above and 30°C or below,~~selected from the range of 0°C to 30°C, and subsequently separating and recovering ~~a resulting~~an insoluble matter are repeated once or more ~~times before the subsequent step [3].~~times.

Claim 3 (currently amended): The process according to claim 1, wherein the microorganism having an ability to produce ubiquinone-10 is selected ~~from basidiomycetes,~~from basidiomycetes, fungi, yeast and bacteria.

Claim 4 (previously presented): The process according to claim 1, wherein the processed product of the culture is a concentrate of the culture of the microorganism, a dried product of the culture, a bacterial cell obtained by separation from the culture, a dried product of the bacterial cell, a freeze-dried product of the bacterial cell, a rinsed bacterial cell obtained by rinsing the bacterial cell, a dried product of the rinsed bacterial cell or a freeze-dried product of the rinsed bacterial cell.

Claim 5 (currently amended): A process for producing a crystal of ubiquinone-10, which ~~comprises~~comprises:

~~depositing the crystal of ubiquinone-10 from~~concentrating or cooling the ubiquinone-10-containing solution obtained by the process according to claim ~~1,~~1 to crystallize ubiquinone-10; and
recovering the crystal of ubiquinone-10 from the solution.

Claim 6 (original): The process according to claim 5, wherein the crystal of ubiquinone-10 is a crystal having a purity of 90.0% or more.